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July 18, 2019

Via Electronic Mail and First Class Mail

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, Rhode Island 02888

Re: Docket 4933 – City of Newport Water Division – Multi-year Rate Filing (2019)

Dear Ms. Massaro:

On behalf of Portsmouth Water and Fire District, enclosed for filing in the above-referenced matter are an original and nine copies of Portsmouth Water and Fire District's Responses to Town of Middletown's Data Requests (Set 1), issued on June 28, 2019.

Thank you for your attention to this matter.

Very truly yours,

Adam M. Ramos

AMR:cw
Enclosures

cc: Docket No. 4933 Service List (electronically only)

58883960

**Docket No. 4933 - City of Newport Water Division – Multi-year Rate Filing
Service List updated 6/17/2019**

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In re: City of Newport, Utilities Department, Water Division
Portsmouth Water and Fire District's
Responses to Town of Middletown's Data Requests (Set 1)
Issued on June 28, 2019

Midd/PWFD 1-1

Request:

Please provide PWFD's projections of total water demands from all of its customers that are supplied with water from your purchases from Newport Water for each year from FY2020 through FY2022. If you expect those total demands to increase or decrease significantly, provide any studies, reports and/or analyses that support your projections. Also, provide relevant information about any new and large developments (residential, commercial and industrial) that will be completed before the end of June of 2022, along with their estimated annual water demands. Conversely, provide relevant information about any large developments (residential, commercial and industrial) that will be closing or no longer in use before the end of June 2022, along with their estimated average annual water demands.

Response:

For FY 2020, PWFD has projected 337,570 kgal in water sales based on 6,682 customers at a rate of approximately 50.5 kgal per customer. PWFD expects to purchase 394,818 kgal from Newport Water in FY 2020. PWFD does not project total water demands beyond the upcoming fiscal year.

PWFD does not have any studies, reports, or analyses that would indicate significant increases or decreases in demand through FY2022. PWFD does not have knowledge of any new and large developments to be completed before the end of June 2022.

PWFD is aware of approximately five small developments (eleven houses or less) under construction that could affect total water demands. On information and belief, the Ragged Island Brewing Co. intends to expand. PWFD expects this expansion to increase the brewery's water usage but does not have data or projections regarding any such increase.

In re: City of Newport, Utilities Department, Water Division
Portsmouth Water and Fire District's
Responses to Town of Middletown's Data Requests (Set 1)
Issued on June 28, 2019

Midd/PWFD 2-1

Request:

Please provide the required fire flow (gallons per minute) and duration for your service area based on criteria established by the National Board of Fire Underwriters, or another set of standards used by the PWFD. Include in your response any assumptions, calculations, analyses or support documents used to derive these requirements.

Response:

Please see the attachment to this response, the Insurance Services Office, Inc. ("ISO") Hydrant Flow Data Summary dated February 1, 2006. ISO validated this data in 2018.

PWFD's required fire flow is met by PWFD's tanks under normal conditions and not by its connection to Newport Water.

INSURANCE SERVICES OFFICE, INC.

HYDRANT FLOW DATA SUMMARY

City Portsmouth
County Newport

Witnessed by: Insurance Services Office, Inc.

State RI

Date

February 1, 2006

TEST NO.	TYPE DIST.*	TEST LOCATION	SERVICE	FLOW - GPM <small>Q=(29.83(Cd)²p^{0.5})</small>		PRESSURE PSI		FLOW -AT 20 PSI		REMARKS***
				INDIVIDUAL HYDRANTS	TOTAL	STATIC	RESID.	NEEDED **	AVAIL.	
1	Res	Anthony Road @ Island Road	Low	1270		97.2	69.2	1500	2200	
2	Comm	Anthony Road @ Mass. Blvd.	Low	1020	1020	89.2	53.7	1750	2900	
3	Res	Cedar Avenue @ Leedham Street	Low	930	930	98.2	71.2	1500	3300	
4	Comm	Tallman Avenue @ Alan Avenue	Low	810	810	68.2	55.2	3000	3300	
5	Comm	East Main Road opposite Village Way	Low	1500	710	47.7	36.7	4000	4800	
5A	Comm	East Main Road opposite Village Way	Low	1500	710	47.7	36.7	2250	4800	
6	Comm	Sprague Street @ Sprague Court	Low	890	1010	39.2	31.7	1500	4600	
7	Comm	Bristol Ferry Road @ Ferry Landing Circle	Low	1020	1020	82.2	55.2	2500	3200	
8	Comm	Willow Lane @ Carnegie Drive	Low	1300		89.8	77.8	3000	3400	
9	Comm	High Point Avenue @ End	High	840		106.2	48.2	2500	2100	
10	Comm	West Main Road @ King Charles Drive	High	1140		86.6	67.1	3000	4400	
11	Comm	Jepson Lane @ Middle School	High	1340	650	85.2	56.2	5000	4100	
11A	Res	Jepson Street @ Middle School	High	1340	650	85.2	56.2	750	4100	
12	Comm	East Main Road @ Trinity Cemetery	High	1580	710	59.7	28.7	3500	2600	
13	Res	Old Mill Lane @ Prince Henry Avenue	High	820	820	126.2	47.2	750	1900	
14	Comm	Sandy Point Road on Adams Road	High	900	900	92.2	42.2	5500	2200	

THE ABOVE LISTED NEEDED FIRE FLOWS ARE FOR PROPERTY INSURANCE PREMIUM CALCULATIONS ONLY AND ARE NOT INTENDED TO PREDICT THE MAXIMUM AMOUNT OF WATER REQUIRED FOR A LARGE SCALE FIRE CONDITION. THE AVAILABLE FLOWS ONLY INDICATE THE CONDITIONS THAT EXISTED AT THE TIME AND AT THE LOCATION WHERE TESTS WERE WITNESSED.

*Comm = Commercial; Res = Residential.

**Needed is the rate of flow for a specific duration for a full credit condition. Needed Fire Flows greater than 3,500 gpm are not considered in determining the classification of the city when using the Fire Suppression Rating Schedule.

INSURANCE SERVICES OFFICE, INC.

State	RI
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Witnessed by: Insurance Services Office, Inc.

Date _____

February 1, 2006

THE ABOVE LISTED NEEDED FIRE FLOWS ARE FOR PROPERTY INSURANCE PREMIUM CALCULATIONS ONLY AND ARE NOT INTENDED TO PREDICT THE MAXIMUM AMOUNT OF WATER REQUIRED FOR A LARGE SCALE FIRE CONDITION. THE AVAILABLE FLOWS ONLY INDICATE THE CONDITIONS THAT EXISTED AT THE TIME AND AT THE LOCATION WHERE TESTS WERE WITNESSED.

*** (A)-Limited by available hydrants to gpm shown.